

13281 U.S. PTO  
07/23/03

NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No. 004372  
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Docket No. 107156-00194

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21910 U.S. PTO  
10/623537  
07/22/03

Mail Stop Patent Application

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): LOGARITHMIC TRANSFORMER AND METHOD OF LOGARITHMIC  
TRANSFORMATION

By (Inventors): Yuji YAMAMOTO, Saitama-ken, Japan

- ☒ 35 pages of Specification/Claims 1-15/Abstract are attached.
- ☒ Formal drawings (Figs). 1 - 12; 11 sheets are attached.
- ☒ A Declaration and Power of Attorney is attached.
- ☒ An assignment of the invention to Pioneer Corporation is attached, along with Form PTO-1595 and a check for \$40.00.
- ☒ Priority of foreign application No. 2002-214046 filed July 23, 2002 both in Japan is claimed under 35 U.S.C. §119.
- ☒ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMAL ENTITY			LARGE ENTITY		
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	QR	RATE	FEE	
BASIC FEE				\$ 375	QR		\$ 750	
TOTAL CLAIMS	15 - 20	= 0	x 9 =	\$	QR	x 18	\$	
INDEP CLAIMS	2 - 3	= 0	x 42 =	\$	QR	x 84	\$	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+140 =	\$	QR	+280	\$	
			TOTAL	\$	QR	TOTAL	\$ 750	

- ☒ A check in the amount of \$790.00 (\$750 for the filing fee and \$40 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

*George E. Oram, Jr.*  
George E. Oram, Jr.  
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GEO/bgk